



## Corrigendum

# Corrigendum to “Impacts of Chinese Grain for Green program and climate change on vegetation in the Loess Plateau during 1982–2015” [Sci. Total Environ. 660 (2019) 177–187]



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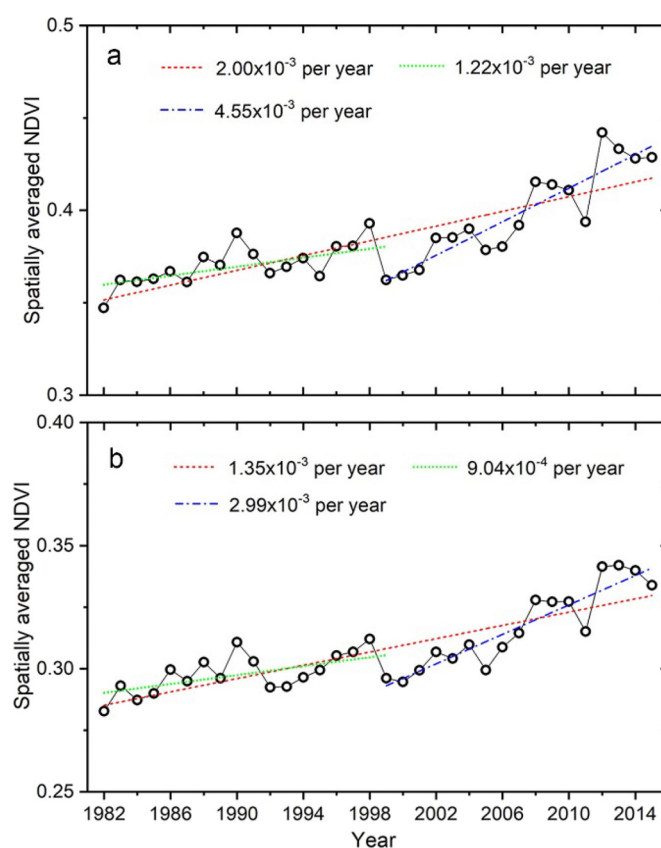
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The authors regret that in the above published article there was an error in calculating the spatially averaged normalized difference vegetation index (NDVI). The error resulted in incorrect Fig. 3 and Table 2 in the original paper. We provided here the revised Fig. 3 and Table 2.

According to the revised Fig. 3, the GSM-NDVI and AM-NDVI increased respectively with rates of  $2.00 \times 10^{-3}$  and  $1.35 \times 10^{-3} \text{ year}^{-1}$  during 1982–2015; the rates were lower before the GGP launched in 1999, with values of  $1.22 \times 10^{-3}$  and  $9.04 \times 10^{-4} \text{ year}^{-1}$ , respectively; while they were much larger after the GGP, with values of  $4.55 \times 10^{-3}$  and  $2.99 \times 10^{-3} \text{ year}^{-1}$ , respectively.

Because of the strong multicollinearity, the drought proxy (i.e., SEDI) should not be considered in the multiple linear regression analyses. In the revised Table 2, the detrended and normalized NDVI and climatic data were used. The results showed that the inter-annual variation of NDVI in the Loess Plateau was most sensitive to soil moisture, followed by the precipitation and temperature.



**Fig. 3.** Inter-annual variations of spatially averaged GSM-NDVI (a) and AM-NDVI (b) over the Loess Plateau. Slopes of the periods of last three decades (1982–2015), before the Chinese Grain for Green program (GGP) (1982–1999), and after the GGP (1999–2015) were also shown.

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**Table 2**  
Sensitivities of the inter-annual variations of NDVI to the climatic variables.

Periods	Regression coefficients (annual)				Regression coefficients (growing-season)			
	$\gamma_{pre}$	$\delta_{tem}$	$\varphi_{SM}$	$R^2$	$\gamma_{pre}$	$\delta_{tem}$	$\varphi_{SM}$	$R^2$
1982–2015	0.13	0.03	0.21	0.1	−0.31	0.11	0.82	0.3
1982–1999	0.29	−0.01	−0.33	0.2	−0.02	0.09	0.33	0.2
1999–2015	−0.15	−0.11	0.82	0.4	−0.71	−0.09	1.41	0.6